

ECS Configuration Change Request

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Page(s)

1. Originator Sarah Lewallen	2. Log Date: 3/22/02	3. CCR #: 02-0245	4. Rev: —	5. Tel: 301-925-0865	6. Rm #: 2117B	7. Dept. SED
8. CCR Title: add partition for MODIS Calibration Support Team on the g0dig06 RAID						
9. Originator Signature/Date Sarah Lewallen /s/ 3/22/02			10. Class II	11. Type: CCR	12. Need Date: 3/29/02	
13. Office Manager Signature/Date Jim Mather /s/ 3/22/02			14. Category of Change: Update ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted: 922-TDG-043			17. Schedule Impact: none		18. CI(s) Affected: DISTHW	
19. Release Affected by this Change: 6A, 6B		20. Date due to Customer: 3/29/02		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input checked="" type="checkbox"/> GSFC <input type="checkbox"/> Other: Provide backup capability for subscription for data to MCST.						
23. Problem: (use additional Sheets if necessary) The MCST networks supporting the data transfers to the MCST are not robust. The current backup is to redirect the subscriptions to the V0 system (acdisx machine). The data on acdisx is then manually copied to DLT tapes and hand delivered to MCST. This backup capability will now be available locally. When the MCST network fails, we will redirect the subscription to g0dig01:MCST/... and then manually write DLT tapes for hand delivery to the MCST. This functionality is especially critical after the Launch of a new instrument (i.e. Aqua AIRS and Aqua MODIS instruments).						
24. Proposed Solution: (use additional sheets if necessary) Repartition the g0dig06 RAID and reduce the size of the PDSSA and PDSIS file systems to allow 300GB to be configured as MCST.						
25. Alternate Solution: (use additional sheets if necessary) Purchase additional disk space for this function.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Will not be able to create DLT tapes for MCST.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:				30. Work Assigned To:	31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. M&O CCB Chair (Sign/Date): Gary Gavigan /s/ 3/26/02			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 02-0245 Rev: — Originator: Sarah Lewallen

Telephone: 301-925-0865 **Office:** 2117B

Title of Change: add partition for MODIS Calibration Support Team on the g0dig06 RAID

Clip from e-mail from Gary Roth:

We will be using the /MCST (MODIS Calibration Support Team) area on g0dig06 for several things. All deal with manual reading or writing to DLT tapes.

1.) Primary reason - Provide backup capability for subscription for data to MCST. The MCST networks supporting the data transfers to the MCST are not robust. The current backup is to redirect the subscriptions to the V0 system (acdisx machine). The data on acdisx is then manually copied to DLT tapes and hand delivered to MCST. This backup capability will now be available locally. When the MCST network fails, we will redirect the subscription to g0dig01:/MCST/.... and then manually write DLT tapes for hand delivery to the MCST. This functionality is especially critical after the Launch of a new instrument (i.e. Aqua AIRS and Aqua MODIS instruments). GDAAC supplies science data so that the LUTs (Look Up Tables) which support the PGEs can be calibrated to arrive at the best science data possible.

2.) Transfer of AIRS Golden Month data (which is on DLT) in support of AIRS SSI&T.

3.) Transfer of test data from DLT tape in support of Eric Chomko's group which supplies the GDAAC test data in support of system testing.

No other hardware or software requirements change due to these activities.